

Amendments to the Drawings

The attached sheet of drawings include changes to FIGS. 1 and 2A. The sheets replace the original sheets that include FIGS. 1 and 2A. In FIG. 1, fans, fan controller, a valve, and a valve controller are added. In FIG. 2A, shelves (shown in dashed) have been added.

Attachment: Replacement Sheets containing FIGS. 1 and 2A

REMARKS

Claims 1-3, 5-11, 13-24, 26, and 28-33 are pending and stand rejected. Claims 1, 13, and 23 are amended and claims 4, 12, and 25 is canceled by way of this Amendment. All pending claims, as amended, are believed to be allowable over the references cited by the Examiner as discussed below. Accordingly, a Notice of Allowance for the present application is respectfully requested.

Rejection Under 35 U.S.C. §102(e)

Claims 1, 2, 7-9, 11-12, 23, 28-30, 32 and 33 stand rejected under 35 U.S.C. §102(e) as being anticipated by Chu 770.

However, each of independent claims 1 and 23 is amended to include the limitation of previously pending dependent claim 4 and 25, respectively. As such, the rejection under 35 U.S.C. §102(e) as being anticipated by Chu 770 is believed to be moot and these claims will be discussed with reference to the rejection of previously pending dependent claim 4 and 25 under 35 U.S.C. §103 below.

Withdrawal of the rejection of independent claims 1 and 23 as well as claims dependent therefrom under 35 U.S.C. §102(b) is respectfully requested.

Rejections Under 35 U.S.C. §103

Claims 4, 5, 25, and 26 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Beitelmal. However, as noted above, the rejection of independent claims 1 and 23 will be discussed with reference to the rejection under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Beitelmal.

Independent claim 1 is amended to generally recite a system that includes a fan controller corresponding to each fan and , the fan controller being configured to variably control a speed of the corresponding fan according to at least one of a temperature within the corresponding space and a temperature of at least one of the at least one electronic component mounted within the corresponding space. Similarly, independent claim 23 is amended to generally recite a method that includes moving air by variably controlling a fan speed of a fan disposed in each space according to at least one of a temperature within the corresponding space and a temperature of at least one of the at least one electronic component mounted within the corresponding space.

As noted by the Examiner, Chu 770 fails to disclose or suggest a fan controller corresponding to each fan. The Examiner relies on Beitelmal as teaching the use of a fan controller to control a speed of the fan (paragraph [0033] of Beitelmal). However, while the use of a fan controller to a speed of the fan may be known in the art, the use of a separate fan controller for each fan disposed in each of a plurality of spaces is neither disclosed nor suggested by Chu 770 or Beitelmal, either taken alone or in combination.

Specifically, Beitelmal discloses using one or more fans or blowers that can vary the speed with which air is moved *within an entire rack system*. Beitelmal fails to disclose or suggest varying the air speed through each of a plurality of spaces within the rack system. For example, Beitelmal states that the blower is “configured to supply cooling fluid, e.g., air, through a *centralized plenum* and thereafter through a plurality of nozzles to the components of the electronic system.” (Paragraph [0018].) As is evident, the blower is provided upstream of the plurality of nozzles and the blower does not and cannot control the speed of the air delivered to each of the plurality of nozzles.

Beitelmal further states: “The rack system 10 also includes a plurality of blowers 14 [see, for example, FIGS. 1 and 2 of Beitelmal] operable to draw fluid from outside the enclosure 12 and deliver the fluid to the space within the enclosure. The blowers 14 are variable speed blowers because they are configured to vary the amount of cooling fluid delivered to the components within the rack system 10. ... [T]he blowers 14 may comprise any reasonably suitable blower that is capable of varying the amount of fluid delivered *to the space within the enclosure*.” (Paragraph [0020].)

As is clearly evident, Beitelmal fails to disclose or suggest the use of a separate fan controller *for each fan* disposed in each of a plurality of spaces.

Accordingly, withdrawal of the rejection of independent claims 1 and 23 as well as claims dependent therefrom under 35 U.S.C. §103(a) is respectfully requested.

Claims 13 and 14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Kubota.

However, similar to independent claims 1 and 23, independent claim 13 recites a system that includes means for variably controlling a speed of each fan according to at least one of a

temperature within the corresponding space and a temperature of at least one of the at least one electronic component mounted within the corresponding space.

Because the addition of Kubota does not overcome the deficiency of Chu 770 (or Chu 770 in view of Beitelmal) , withdrawal of the rejection of independent claim 13 as well as claim 14 dependent therefrom under 35 U.S.C. §103(a) is respectfully requested.

Claims 3 and 24 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Chu in view of Chu 770 in view of Chu 412. Claim 6 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Chu 796. Claims 10 and 31 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Zhu. Claim 15 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Kubota and further in view of Chu 412. In addition, claims 16-22 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Chu 770 in view of Kubota and further in view of Beitelmal.

However, these dependent claims are believed to be allowable at least because the independent claims 1, 13, and 23 from which they variously depend are allowable as discussed above. Withdrawal of the rejection of these dependent claims under 35 U.S.C. §103(a) is respectfully requested.

CONCLUSION

Applicants believe that all pending claims are allowable and respectfully request a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

In the unlikely event that the transmittal letter accompanying this document is separated from this document and the Patent Office determines that an Extension of Time under 37 CFR 1.136 and/or any other relief is required, Applicant hereby petitions for any required relief including Extensions of Time and/or any other relief and authorizes the Commissioner to charge

the cost of such petitions and/or other fees due in connection with the filing of this document to
Deposit Account No. **50-1217** (Order No. **GOOGP022**).

Respectfully submitted,



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